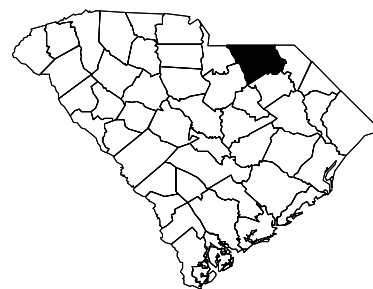


IMPACT OF CHRONIC CONDITIONS CHESTERFIELD County, 2001



In the year 2001, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, pneumonia, influenza, Alzheimer's disease, septicemia, nephritis, nephritic syndrome and nephrosis. This report focuses on the chronic conditions of the population of Chesterfield county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Chesterfield county's population is similar to the state's. The majority (38%) of the population in Chesterfield county are between the ages of 18-44. There are more females (52%) than males (48%). Chesterfield county's minority population (35%) is higher than the state (31%). When adults in Chesterfield county were asked about their general health status, 86.1% reported having excellent, very good, or good health in 2001 (SC was 85%).

	CHESTERFIELD COUNTY	STATE
Population size	43,014	4,063,011
Age distribution (%)		
<18	26	25
18-44	38	40
45-64	24	23
65-84	11	11
85+	1	1
Race (%)		
White	65	69
Black & Other	35	31
Sex (%)		
Male	48	49
Female	52	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2001 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Chesterfield county.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	24	26
Sedentary lifestyle	33	40
Overweight	54	57
High Cholesterol	24	28

Some preventive measures such as immunization were included in the 2001 SC BRFSS. For persons age 65 and older in South Carolina:

33.8% have not received the flu shot in the past 12 months

42.1% have never had the pneumonia vaccination

Hospital/ER data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	31.6	.	.	.	.	28.6
Number of hospitalizations	26	16	10	9	17	5,141
Standard rate of hospitalizations (per 100,000)	59	130	32	45	71	129
Median age of hospitalized patients	60	60	63	63	58	63
Total cost of hospitalization (\$)	393,600	258,300	135,300	142,400	251,200	69,702,200
Average length of hospital stay (days)	6	6	6	5	6	5
Number of ER visits	70	50	20	28	42	7,398
Standard rate of ER visits (per 100,000)	165	392	67	140	182	184
Median age of ER patients	53	48	63	45	53	53
Total cost of ER visits (\$)	71,100	54,000	17,100	32,500	38,600	5,124,800
Number of deaths*	4	3	1	1	3	336
Standard death rate (per 100,000)*	9	21	4	5	14	8

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	3.14	.	.	.	.	4.15
Number of hospitalizations	240	34	206	154	86	30,127
Standard rate of hospitalizations (per 100,000)	546	280	647	797	355	749
Median age of hospitalized patients	63	58	63	63	68	68
Total cost of hospitalization (\$)	6,976,900	1,080,200	5,896,700	4,488,900	2,488,000	803,069,600
Average length of hospital stay (days)	5	6	5	5	6	5
Number of ER visits	56	9	47	41	15	2,753
Standard rate of ER visits (per 100,000)	129	72	150	207	62	69
Median age of ER patients	63	63	63	58	73	63
Total cost of ER visits (\$)	282,900	43,400	239,500	210,300	72,600	8,890,500
Number of deaths*	124	39	85	64	60	9,496
Standard death rate (per 100,000)*	288	268	302	308	270	233

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	1.8	.	.	.	.	2.45
Number of hospitalizations	88	31	57	39	49	14,626
Standard rate of hospitalizations (per 100,000)	213	265	194	237	203	374
Median age of hospitalized patients	73	73	73	73	73	73
Total cost of hospitalization (\$)	1,856,800	954,600	902,200	817,300	1,039,500	255,038,000
Average length of hospital stay (days)	6	8	6	8	5	6
Number of ER visits	31	14	17	15	16	2,754
Standard rate of ER visits (per 100,000)	74	108	57	87	68	70
Median age of ER patients	68	58	73	68	68	73
Total cost of ER visits (\$)	86,100	38,900	47,200	37,800	48,300	5,239,900
Number of deaths*	12	4	8	6	6	2,829
Standard death rate (per 100,000)*	28	28	28	29	27	70

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	164	63	101	66	98	15,100
Standard rate of hospitalizations (per 100,000)	379	464	335	340	419	377
Median age of hospitalized patients	58	43	63	53	60	58
Total cost of hospitalization (\$)	1,915,200	681,500	1,233,700	713,400	1,201,800	159,179,500
Average length of hospital stay (days)	4	3	4	3	4	5
Number of ER visits	529	314	215	243	286	42,599
Standard rate of ER visits (per 100,000)	1,229	1,985	768	1,165	1,295	1,053
Median age of ER patients	28	18	38	18	28	33
Total cost of ER visits (\$)	377,600	193,900	183,700	162,900	214,700	24,732,100
Number of deaths*	13	1	12	9	4	1,728
Standard death rate (per 100,000)*	30	7	43	43	18	43

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	9.99	.	.	.	.	8.13
Number of hospitalizations	75	33	42	36	39	8,620
Standard rate of hospitalizations (per 100,000)	174	256	145	178	169	213
Median age of hospitalized patients	48	53	43	48	53	53
Total cost of hospitalization (\$)	1,065,500	298,200	767,300	593,100	472,400	115,143,100
Average length of hospital stay (days)	4	3	5	5	4	6
Number of ER visits	92	62	30	34	58	8,748
Standard rate of ER visits (per 100,000)	212	483	101	164	254	217
Median age of ER patients	53	53	45	50	53	53
Total cost of ER visits (\$)	94,900	59,100	35,800	35,400	59,500	6,417,300
Number of deaths*	9	2	6	5	4	1,089
Standard death rate (per 100,000)*	21	14	21	24	18	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	141	70	71	51	90	24,857
Standard rate of hospitalizations (per 100,000)	321	563	221	270	384	618
Median age of hospitalized patients	63	63	63	68	53	58
Total cost of hospitalization (\$)	3,084,800	1,607,200	1,477,600	1,374,700	1,710,100	528,562,000
Average length of hospital stay (days)	7	7	6	10	5	6
Number of deaths*	82	29	53	40	42	8,262
Standard death rate (per 100,000)*	191	199	188	193	189	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	8	3	5	6	2	2,057
Standard rate of hospitalizations (per 100,000)	17	24	14	27	8	52
Median age of hospitalized patients	60	48	63	60	65	68
Total cost of hospitalization (\$)	165,800	57,100	108,700	129,500	36,300	65,269,600
Average length of hospital stay (days)	7	7	7	7	7	10
Number of deaths*	4	4	-	2	2	818
Standard death rate (per 100,000)*	9	28	-	10	9	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	13	5	8	.	13	1,650
Standard rate of hospitalizations (per 100,000)	30	40	25	.	54	41
Median age of hospitalized patients	63	63	63	.	63	63
Total cost of hospitalization (\$)	209,800	103,000	106,800	.	209,800	19,973,100
Average length of hospital stay (days)	4	4	4	.	4	2
Number of deaths*	6	-	6	-	6	595
Standard death rate (per 100,000)*	14	-	21	-	27	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	3	1	2	.	3	255
Standard rate of hospitalizations (per 100,000)	7	8	6	.	13	6
Median age of hospitalized patients	53	38	60	.	53	48
Total cost of hospitalization (\$)	57,300	8,100	49,200	.	57,300	3,859,300
Average length of hospital stay (days)	4	3	5	.	4	4
Number of deaths*	3	-	3	.	3	69
Standard death rate (per 100,000)*	14	-	11	.	14	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	17	8	9	11	6	2,294
Standard rate of hospitalizations (per 100,000)	38	68	27	57	24	57
Median age of hospitalized patients	68	63	68	68	63	68
Total cost of hospitalization (\$)	415,600	100,700	314,900	219,900	195,700	60,724,100
Average length of hospital stay (days)	9	5	13	9	9	8
Number of deaths*	27	9	18	21	6	2,543
Standard death rate (per 100,000)*	63	62	64	101	27	63

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	4	2	2	4	.	1,335
Standard rate of hospitalizations (per 100,000)	10	16	7	29	.	33
Median age of hospitalized patients	73	75	68	73	.	68
Total cost of hospitalization (\$)	66,800	33,200	33,600	66,800	.	21,303,500
Average length of hospital stay (days)	6	6	6	6	.	4
Number of deaths*	2	1	1	2	.	499
Standard death rate (per 100,000)*	10	7	4	10	.	25

*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

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